IN THE CLAIM

No claim is currently amended

1   1. (Previously Presented) A method for allocating an N number of registers, comprising

2   the steps of:

3   identifying a first statement allocating registers, the first statement is

4   associated with a block of programming code;

5   identifying first parameters used in the first statement; and

6   by using the number N and the first parameters as inputs, generating

7   second parameters for use in a second statement to allocate the N

8   number of registers, which are for use in code instrumentation of

9   the block of programming code.

1   2. (Previously Presented) The method of claim 1 wherein the first parameters and the

2   second parameters each include a parameter identifying a number I of input

3   registers, a parameter identifying a number L of local registers, and a parameter

4   identifying a number O of output registers.

1   3. (Previously Presented) The method of claim 2 wherein the step of generating the

2   second parameters comprises the step of modifying the number O of the first

3   parameters to generate the number O of the second parameters.

1   4. (Previously Presented) The method of claim 2 wherein the step of generating the

2   second parameters comprises the step of using the number N and the number O of

3   the first parameters as inputs in generating the number O of the second parameters.

1   5. (Previously Presented) The method of claim 2 wherein the number O of the second

2   parameters equals the number N plus the number O of the first parameters.

1   6. (Previously Presented) A computer-readable medium embodying instructions for

2   performing a method for allocating an N number of registers, the method

3   comprising the steps of:

4   identifying a first statement allocating registers, the first statement is

5   associated with a block of programming code;

6   identifying first parameters used in the first statement; and

7   by using the number N and the first parameters as inputs, generating

8   second parameters for use in a second statement to allocate the N

9   number of registers, which are for use in code instrumentation of

10   the block of programming code.

1   7. (Previously Presented) The computer-readable medium of claim 6 wherein the first

2   parameters and the second parameters each include a parameter identifying a

3   number I of input registers, a parameter identifying a number L of local registers,

4   and a parameter identifying a number O of output registers.

1   8. (Previously Presented) The method of claim 7 wherein the step of generating the

2   second parameters comprises the step of modifying the number O of the first

3   parameters to generate the number O of the second parameters.

1   9. (Previously Presented) The method of claim 7 wherein the step of generating the

2   second parameters comprises the step of using the number N and the number O of

3   the first parameters as inputs in generating the number O of the second parameters.

1   10. (Previously Presented) The method of claim 7 wherein the number O of the second

2   parameters equals the number N plus the number O of the first parameters.

1   11. (Previously Presented) A system allocating an N number of registers, comprising:

2   a first statement allocating registers, the first statement is associated with a

3   block of programming code;

4   means for identifying first parameters used in the first statement; and

5   means for generating second parameters for use in a second statement to

6   allocate the N number of registers, which are for use in code

7   instrumentation of the block of programming code;

8   wherein generating the second parameters uses the number N and the first

9   parameters as inputs.

1   12. (Previously Presented) The system of claim 11 wherein the first parameters and the

2   second parameters each include a parameter identifying a number I of input

3   registers, a parameter identifying a number L of local registers, and a parameter

4   identifying a number O of output registers.

1   13. (Previously Presented) The system of claim 12 wherein generating the second

2   parameters comprises modifying the number O of the first parameters to generate

3   the number O of the second parameters.

1   14. (Previously Presented) The system of claim 12 wherein generating the second

2   parameters comprises using the number N and the number O of the first

3   parameters as inputs in generating the number O of the second parameters.

1   15. (Previously Presented) The system of claim 12 wherein the number O of the second

2   parameters equals the number N plus the number O of the first parameters.